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**Source: TSG RAN WG3**

**To: TSG-RAN WG1, TSG-RAN WG4, TSG-RAN WG2**

**Title: Response to LS on RTD measurement in UTRAN**

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TSG-RAN WG3 thanks TSG RAN WG1 about their LS on (R3-010614/R1-010147) Time Difference measurement in UTRAN, that clarifies the new UTRAN SFN-SFN observed time difference measurement for the support of OTDOA measurements in UTRAN Rel'4 for UE positioning.

However TSG-RAN WG3 have following concerns to new SFN-SFN observed time difference measurement definition:

- Have the TSG RAN WG1 consider updating the name of the SFN-SFN observed time difference measurement, since the measurement is not really a SFN-SFN measurement, but a slot based measurement?
- According to TSG RAN WG3 understanding the SFN-SFN observed time difference measurement can be made in a stand-alone LMU or in an associated LMU (in the Node B). For this case (measurement made in the LMU) the existing definition of the SFN-SFN observed time difference is clear.
- For the latter case (measurement made in the Node B) TSG RAN WG3 have the following question where the TSG RAN WG1 guidance is needed. In this case, is the SFN-SFN observed time difference measurement performed between the reception of the signal sent by the measured neighbour cells (neighbouring cell) and the transmission or the reception of the signal sent by the reference cell?. The current definition of the SFN-SFN observed time difference measurement does not clarify this issue.